

PK  
564078

PCT09

**ENTERED**

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/830,693A

TIME: 15:38:16

Input Set : A:\9811.txt

Output Set: N:\CRF3\07162002\I830693A.raw

```

5 <110> APPLICANT: SHIAU, ANDREW
7     KUSHNER, PETER J.
9     AGARD, DAVID A.
11    GREENE, GEOFFREY L.
15 <120> TITLE OF INVENTION: METHODS AND COMPOUNDS FOR MODULATING NUCLEAR RECEPTOR
16    ACTIVITY
20 <130> FILE REFERENCE: 9811-0013-999
24 <140> CURRENT APPLICATION NUMBER: US 09/830693A
C--> 26 <141> CURRENT FILING DATE: 2002-06-07
30 <150> PRIOR APPLICATION NUMBER: US 60/079,956
32 <151> PRIOR FILING DATE: 1998-03-30
36 <150> PRIOR APPLICATION NUMBER: US 60/113,146
38 <151> PRIOR FILING DATE: 1998-12-16
42 <150> PRIOR APPLICATION NUMBER: US 60/113,014
44 <151> PRIOR FILING DATE: 1998-12-16
48 <160> NUMBER OF SEQ ID NOS: 26
52 <170> SOFTWARE: PatentIn version 3.1
56 <210> SEQ ID NO: 1
58 <211> LENGTH: 5
60 <212> TYPE: PRT
62 <213> ORGANISM: Homo sapiens
66 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (2)..(3)
72 <223> OTHER INFORMATION: Xaa can be any amino acid
76 <400> SEQUENCE: 1
W--> 78 Leu Xaa Xaa Leu Leu
79 1      5
82 <210> SEQ ID NO: 2
84 <211> LENGTH: 5
86 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
92 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (2)..(3)
98 <223> OTHER INFORMATION: Xaa can be any amino acid
102 <400> SEQUENCE: 2
W--> 104 Leu Xaa Xaa Met Leu
105 1      5
108 <210> SEQ ID NO: 3
110 <211> LENGTH: 5
112 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens

```

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/830,693A

TIME: 15:38:16

Input Set : A:\9811.txt

Output Set: N:\CRF3\07162002\I830693A.raw

```

118 <400> SEQUENCE: 3
120 Leu Leu Gln Met Leu
121 1 5
124 <210> SEQ ID NO: 4
126 <211> LENGTH: 13
128 <212> TYPE: PRT
130 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 4
136 Lys His Lys Ile Leu His Arg Leu Leu Gln Asp Ser Ser
137 1 5 10
140 <210> SEQ ID NO: 5
142 <211> LENGTH: 33
144 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 5
152 Thr Pro Ala Ile Thr Arg Val Val Asp Phe Ala Lys Lys Leu Pro Met
153 1 5 10 15
156 Phe Cys Glu Leu Pro Cys Glu Asp Gln Ile Ile Leu Leu Lys Gly Cys
157 20 25 30
160 Cys
164 <210> SEQ ID NO: 6
166 <211> LENGTH: 12
168 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 6
176 Leu Phe Pro Pro Leu Phe Leu Glu Val Phe Glu Asp
177 1 5 10
180 <210> SEQ ID NO: 7
182 <211> LENGTH: 33
184 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 7
192 Thr Ala Pro Ile Thr Arg Val Val Asp Phe Ala Lys Lys Leu Pro Met
193 1 5 10 15
196 Phe Ser Glu Leu Pro Cys Glu Asp Gln Ile Ile Leu Leu Lys Cys Cys
197 20 25 30
200 Cys
204 <210> SEQ ID NO: 8
206 <211> LENGTH: 12
208 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 8
216 Leu Phe Pro Pro Leu Phe Leu Glu Val Phe Glu Asp
217 1 5 10
220 <210> SEQ ID NO: 9
222 <211> LENGTH: 33
224 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 9

```

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/830,693A

TIME: 15:38:16

Input Set : A:\9811.txt

Output Set: N:\CRF3\07162002\I830693A.raw

```

232 Thr Lys Cys Ile Ile Lys Ile Val Glu Phe Ala Lys Arg Leu Pro Gly
233 1 5 10 15
236 Phe Thr Gly Leu Ser Ile Ala Asp Gln Ile Thr Leu Leu Lys Ala Ala
237 20 25 30
240 Cys
244 <210> SEQ ID NO: 10
246 <211> LENGTH: 12
248 <212> TYPE: PRT
250 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 10
256 Pro Met Pro Pro Leu Ile Arg Glu Met Leu Glu Asn
257 1 5 10
260 <210> SEQ ID NO: 11
262 <211> LENGTH: 33
264 <212> TYPE: PRT
266 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 11
272 Asp Lys Gln Leu Phe Thr Leu Val Glu Trp Ala Lys Arg Ile Pro His
273 1 5 10 15
276 Phe Ser Glu Leu Pro Leu Asp Asp Gln Val Ile Leu Leu Arg Ala Gly
277 20 25 30
280 Trp
284 <210> SEQ ID NO: 12
286 <211> LENGTH: 12
288 <212> TYPE: PRT
290 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 12
296 Pro Ile Asp Thr Phe Leu Met Glu Met Leu Glu Ala
297 1 5 10
300 <210> SEQ ID NO: 13
302 <211> LENGTH: 33
304 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 13
312 Val Glu Ala Val Gln Glu Ile Thr Glu Tyr Ala Lys Asn Ile Pro Gly
313 1 5 10 15
316 Phe Ile Asn Leu Asp Leu Asn Asp Gln Val Thr Leu Leu Lys Tyr Gly
317 20 25 30
320 Val
324 <210> SEQ ID NO: 14
326 <211> LENGTH: 12
328 <212> TYPE: PRT
330 <213> ORGANISM: Homo sapiens
334 <400> SEQUENCE: 14
336 Ser Leu His Pro Leu Leu Gln Glu Ile Tyr Lys Asp
337 1 5 10
340 <210> SEQ ID NO: 15
342 <211> LENGTH: 33
344 <212> TYPE: PRT

```

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/830,693A

TIME: 15:38:16

Input Set : A:\9811.txt

Output Set: N:\CRF3\07162002\I830693A.raw

```

346 <213> ORGANISM: Homo sapiens
350 <400> SEQUENCE: 15
352 Ser Tyr Ser Ile Gln Lys Val Ile Gly Phe Ala Lys Met Ile Pro Gly
353 1 5 10 15
356 Phe Arg Asp Leu Thr Ser Glu Asp Gln Ile Val Leu Leu Lys Ser Ser
357 20 25 30
360 Ala
364 <210> SEQ ID NO: 16
366 <211> LENGTH: 12
368 <212> TYPE: PRT
370 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 16
376 Lys Leu Thr Pro Leu Val Leu Glu Val Phe Gly Asn
377 1 5 10
380 <210> SEQ ID NO: 17
382 <211> LENGTH: 33
384 <212> TYPE: PRT
386 <213> ORGANISM: Homo sapiens
390 <400> SEQUENCE: 17
392 Asp Arg Glu Leu Val His Met Ile Asn Trp Ala Lys Arg Val Pro Gly
393 1 5 10 15
396 Phe Val Asp Leu Thr Leu His Asp Gln Val His Leu Leu Glu Cys Ala
397 20 25 30
400 Trp
404 <210> SEQ ID NO: 18
406 <211> LENGTH: 12
408 <212> TYPE: PRT
410 <213> ORGANISM: Homo sapiens
414 <400> SEQUENCE: 18
416 Pro Leu Tyr Asp Leu Leu Leu Glu Met Leu Asp Ala
417 1 5 10
420 <210> SEQ ID NO: 19
422 <211> LENGTH: 33
424 <212> TYPE: PRT
426 <213> ORGANISM: Homo sapiens
430 <400> SEQUENCE: 19
432 Gly Arg Gln Val Ile Ala Ala Val Lys Trp Ala Lys Ala Ile Pro Gly
433 1 5 10 15
436 Phe Arg Asn Leu His Leu Asp Asp Gln Met Thr Leu Leu Gln Tyr Ser
437 20 25 30
440 Trp
444 <210> SEQ ID NO: 20
446 <211> LENGTH: 12
448 <212> TYPE: PRT
450 <213> ORGANISM: Homo sapiens
454 <400> SEQUENCE: 20
456 Glu Phe Pro Glu Met Leu Ala Glu Ile Ile Thr Asn
457 1 5 10
460 <210> SEQ ID NO: 21

```

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/830,693A

TIME: 15:38:16

Input Set : A:\9811.txt

Output Set: N:\CRF3\07162002\I830693A.raw

```

462 <211> LENGTH: 33
464 <212> TYPE: PRT
466 <213> ORGANISM: Homo sapiens
470 <400> SEQUENCE: 21
472 Glu Arg Gln Leu Leu Ser Val Val Lys Trp Ser Lys Ser Leu Pro Gly
473 1 5 10 15
476 Phe Arg Asn Leu His Ile Asp Asp Gln Ile Thr Leu Ile Gln Tyr Ser
477 20 25 30
480 Trp
484 <210> SEQ ID NO: 22
486 <211> LENGTH: 12
488 <212> TYPE: PRT
490 <213> ORGANISM: Homo sapiens
494 <400> SEQUENCE: 22
496 Glu Phe Pro Glu Met Met Ser Glu Val Ile Ala Ala
497 1 5 10
500 <210> SEQ ID NO: 23
502 <211> LENGTH: 33
504 <212> TYPE: PRT
506 <213> ORGANISM: Homo sapiens
510 <400> SEQUENCE: 23
512 Gly Lys Gln Met Ile Gln Val Val Lys Trp Ala Lys Val Leu Pro Gly
513 1 5 10 15
516 Phe Lys Asn Leu Pro Leu Glu Asp Gln Ile Thr Leu Ile Gln Tyr Ser
517 20 25 30
520 Trp
524 <210> SEQ ID NO: 24
526 <211> LENGTH: 12
528 <212> TYPE: PRT
530 <213> ORGANISM: Homo sapiens
534 <400> SEQUENCE: 24
536 Glu Phe Pro Ala Met Leu Val Glu Ile Ile Ser Asp
537 1 5 10
540 <210> SEQ ID NO: 25
542 <211> LENGTH: 33
544 <212> TYPE: PRT
546 <213> ORGANISM: Homo sapiens
550 <400> SEQUENCE: 25
552 Glu Arg Gln Leu Val His Val Val Lys Trp Ala Lys Ala Leu Pro Gly
553 1 5 10 15
556 Phe Arg Asn Leu His Val Asp Asp Gln Met Ala Val Ile Gln Tyr Ser
557 20 25 30
560 Trp
564 <210> SEQ ID NO: 26
566 <211> LENGTH: 12
568 <212> TYPE: PRT
570 <213> ORGANISM: Homo sapiens
574 <400> SEQUENCE: 26
576 Asp Phe Pro Glu Met Met Ala Glu Ile Ile Ser Val

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/16/2002  
PATENT APPLICATION:    US/09/830,693A      TIME: 15:38:17

Input Set : A:\9811.txt  
Output Set: N:\CRF3\07162002\I830693A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3

Seq#:2; Xaa Pos. 2,3

## VERIFICATION SUMMARY

DATE: 07/16/2002

PATENT APPLICATION: US/09/830,693A

TIME: 15:38:17

Input Set : A:\9811.txt

Output Set: N:\CRF3\07162002\I830693A.raw

L:26 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0